ELSEVIER

Coastal Engineering 47 (2003) 443–444

Coastal Engineering
An International Journal for Coastal, Harbour and Offshore Engineers

www.elsevier.com/locate/costaleng

Contents of volume 47

Research Papers

A 2D numerical model of wave run-up and overtopping
M.E. Hubbard and N. Dodd 1

Wave scattering by a submerged plate in presence of a steady uniform current
V. Rey, R. Capobianco and C. Dulou 27

Geometry, migration and evolution of small-scale bedforms generated by regular and irregular waves
C. Faraci and E. Foti 35

Bars formed by horizontal diffusion of suspended sediment
K.P. Black, R.M. Gorman and K.R. Bryan 53

Erratum

Erratum to "Controlling spatial oscillations in bed level update schemes" [Coastal Engineering 46 (2002) 109–126]
H.K. Johnson and J.A. Zyserman 77

Preface 79

Research Papers

Beach nourishment projects, practices, and objectives—a European overview
H. Hanson, A. Brampton, M. Capobianco, H.H. Dette, L. Hamm, C. Laustrup, A. Lechuga and R. Spanhoff 81

Nourishment design and evaluation: applicability of model concepts
M. Capobianco, H. Hanson, M. Larson, H. Steetzel, M.J.F. Stive, Y. Chatelus, S. Aarninkhof and T. Karambas 113

Application of prototype flume tests for beach nourishment assessment
H.H. Dette, M. Larson, J. Murphy, J. Newe, K. Peters, A. Reniers and H. Steetzel 137

Gradation effects in sediment transport
R.J. de Meijer, J. Bosboom, B. Cloin, I. Katopodi, N. Kitou, R.L. Koomans and F. Manso 179

Variability of shore and shoreline evolution
M.J.F. Stive, S.G.J. Aarninkhof, L. Hamm, H. Hanson, M. Larson, K.M. Wijnberg, R.J. Nicholls and M. Capobianco . . 211

A summary of European experience with shore nourishment
L. Hamm, M. Capobianco, H.H. Dette, A. Lechuga, R. Spanhoff and M.J.F. Stive 237

An approach to determining nearshore bathymetry using remotely sensed ocean surface dynamics
S.K. Misra, A.B. Kennedy and J.T. Kirby 265

The predictability of cross-shore bed evolution of sandy beaches at the time scale of storms and seasons using process-based Profile models
L.C. van Rijn, D.J.R. Walstra, B. Grasmeijer, J. Sutherland, S. Pan and J.P. Sierra 295

Numerical estimation of the wave forces acting on a three-dimensional body on submerged breakwater
D.-S. Hur and N. Mizutani 329

Shear stress and sediment transport calculations for sheet flow under waves
P. Nielsen and D.P. Callaghan 347

Settlement of vertical piles exposed to waves
J. Carreiras, J.A. do Carmo and F. Seabra-Santos 355

Experiments on the reflection coefficients of a detached breakwater in a directional wave field
W.-P. Huang, C.-R. Chou and J.Z. Yim 367

A synchronously coupled tide–wave–surge model of the Yellow Sea
B.H. Choi, H.M. Eum and S.B. Woo 381

doi:10.1016/S0378-3839(02)00177-1

Bailard's sediment transport formulation in shelf sea conditions: comparison with observations using a clustering technique
J. van der Molen 399
Modeling erosion of sedimentary coasts in the western Russian Arctic
I.O. Leont'yev 413
The wave plus current flow over vortex ripples at an arbitrary angle
K.H. Andersen and C. Faraci 431

Contents of volume 47 443